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MAY 13 1969

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR NEVADA

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,

and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
MAY 1, 1969

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.



Released by

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RENO, NEVADA

In Cooperation with

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INDEX TO NEVADA SNOW COURSES

(By Basins)

NUMBER NAME SEC. TWP. RGE. ELEV.

Snake River Basin

Snake River				
15H1MA	BEAR CREEK	31	46N	58E 7800
15H2	FOX CREEK	33	46N	58E 6800
15H13	GOAT CREEK	31	46N	60E 8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E 8945
14H1	JACKS CREEK	6	42N	62E 7000
15H20a	MERRITT MOUNTAIN	10	46N	54E 7000
15H14	POLE CREEK RANGER STATION	13	46N	59E 8330
15H18a	RED POINT	15	47N	61E 7940
15H3A	76 CREEK	6	44N	58E 7100
15H19a	5TAG MTN.	29	41N	58E 7800

Owyhee River				
15H4MP	BIG BEND	30	45N	56E 6700
16H6a	COLUMBIA BASIN	31	44N	53E 6650
16H8a	CAW CREEK	2	45N	52E 7000
15H5	GOLD CREEK	32	45N	56E 6600
16H1M	JACK CREEK, LOWER	18	42N	53E 6800
16H2A	JACK CREEK, UPPER	9	42N	53E 7250
16H4	JACKS PEAK	28	42N	53E 8420
16H5	LAUREL CREEK	20	45N	53E 6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E 8440
15H9MP	TAYLOR CANYON	35	39N	53E 6200

Interior				
Upper Humboldt River				
15J17a	AMERICAN BEAUTY	32	31N	58E 7800
16H6a	COLUMBIA BASIN	31	44N	53E 6650
15J12A	CORRAL CANYON	27	28N	57E 8500
15J1MP	DORSEY BASIN	28	35N	60E 8100
15J3	ORY CREEK	5	34N	60E 6500
15H7	FRY CANYON	31	43N	54E 6700
15J9MP	GREEN MOUNTAIN	23	29N	57E 8000
15J10	HARRISON PASS #1	9	28N	57E 6600
15J11	HARRISON PASS #2	16	28N	57E 7400
15J4	LA MOILLE #1	15	32N	58E 7100
15J5	LA MOILLE #2	14	32N	58E 7300
15J6M	LA MOILLE #3	24	32N	58E 7700
15J7	LA MOILLE #4	19	32N	59E 8000
15J8P	LA MOILLE #5	31	32N	59E 8700
15J18a	POLE CANYON	31	35N	61E 9140
15J16a	ROBINSON LAKE	23	33N	59E 9200
15H6MP	RODOLPH FLAT	36	43N	53E 6800
15J2	RYAN RANCH	1	34N	59E 5800
15H8	TREMEAN RANCH	9	39N	55E 5700
15H10P	TROUT CREEK, LOWER	28	37N	61E 6900
15H11A	TROUT CREEK, UPPER	4	36N	61E 8500

Lower Humboldt River				
17K1	BIG CREEK CAMP GROUND	10	17N	43E 6600
17K2	BIG CREEK MINE	23	17N	43E 7500
17K3	BIG CREEK, UPPER	26	17N	43E 8000
17H2	BUCKSKIN, LOWER	25	45N	39E 6700
17H1	BUCKSKIN, UPPER	11	45N	39E 8200
17J2	GOLCONOA #2	22	35N	39E 6000
17H4	GRANITE PEAK	22	44N	39E 7800
17H5	LANAMORE CREEK	13	42N	38E 6000
17L1	LOWER CORRAL	12	40E	17S 7500
17H3	MARTIN CREEK	18	44N	40E 6700
16H3AP	MIDAS	18	39N	46E 7200
18H7	TOE JAM a	29	40N	50E 7700
17L2	UPPER CORRAL	20	11N	41E 8500

Eastern Nevada				
14L1	BAKER #1	29	13N	69E 7950
14L2	BAKER #2	30	13N	69E 8950
14L3	BAKER #3	25	13N	68E 9250
14K2	BERRY CREEK	23	17N	65E 9100
14K1	BIRD CREEK	34	19N	65E 7500
15J13	CAVE CREEK	25	27N	57E 7500
15J14	HAGER CANYON	34	27N	57E 8000
15J15	HOLE-IN-MTN	6	35N	61E 7900
14K8	KALAMAZOO CREEK	34	20N	65E 7400
14K3	MURRAY SUMMIT	26	16N	62E 7250
15K1	ROBINSON SUMMIT	23	18N	61E 7600
14K7	SILVER CREEK #2	30	16N	69E 8000
14K5	WARO MOUNTAIN #2	25	15N	62E 7875
15L1	WHITE RIVER #1	31	13N	59E 7400

Central Great Basin				
18M2	CAMPITO MTN (CAL.)	19	5S	35E 10200
18M5a	CHIATOVICH FLAT	32	25	34E 10500
15N2	CLARK CANYON	8	19S	56E 9000
18M1	MONTGOMERY PASS	4	1N	33E 7100
18M3a	PINCHOT CREEK	28	1N	33E 9300
18M4a	PIUTE PASS (CAL.)	33	45	33E 11700
15N1	TROUGH SPRINGS	23	18S	55E 8500

Northern Great Basin				
19H1	BALD MOUNTAIN	17	45N	21E 6720
20H5	BARBER CREEK (CAL.)	23	39N	16E 6500
20H6	CEGAR PASS (CAL.)	12	43N	14E 7100
18G6a	GENIO CREEK (OREG.)	14	41S	34E 6000
18H1	OLIVASTER PEAK	8	47N	34E 6500
20H3a	OLIVAST SWAMP (CAL.)	31	48N	22E 7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E 7200
19H3	49-MTN	7	42N	19E 6000
19H2	HAYS CANYON	1	39N	18E 6400
19H4a	LITTLE BALLY MTN	8	45N	19E 6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E 7240
17H6a	QUINN RIDGE	9	47N	41E 6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E 5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E 7800

NUMBER NAME SEC. TWP. RGE. ELEV.

Lake Tahoe

19L14	OAGGETTS PASS	19	13N	19E 7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E 7450
19L2	FREEL BENCH (CAL.)	36	12N	18E 7300
19K6	GLENBROOK #2	13	14N	18E 6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E 8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E 8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E 8000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E 6500
20L1	RUBICON #1 (CAL.)	6	13N	17E 8100
20L2	RUBICON #2 (CAL.)	6	13N	17E 7500
20K16	TAHOE CITY (CAL.)	6	15N	17E 6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E 6400
20K17M	WARO CREEK (CAL.)	21	15N	16E 7000
20K255TZ	WARO CREEK #2 (CAL.)	21	15N	16E 6750

Truckee River				
20K14	BOCA #2 (CAL.)	28	18N	17E 5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E 7100
20K21	ONNER PARK #2 (CAL.)	18	17N	16E 6000
20K10*	ONNER SUMMIT (CAL.)	25	17N	14E 6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E 6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E 6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E 7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E 6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E 8450
19K3	LITTLE VALLEY	17	16N	19E 6300
19K2	MT. ROSE	7	17N	19E 9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E 6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E 7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E 6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E 7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E 8000

Carson River				
19L5	BLUE LAKES (CAL.)	30	9N	19E 8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E 8600
19K5	CLEAR CREEK	6	14N	19E 7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E 8700
19L6A	POISON FLAT (CAL.)	25	8N	21E 7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E 8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E 8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E 8100

Walker River				
19L11	BUCKEYE FORKS (CAL.)	20	4N	23E 8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E 7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E 9400
18L1	LAFON MEADOW	36	8N	28E 9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E 7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E 9200
18L2	MT. GRANT	23	8N	28E 9000
19L7M	SONORA PASS (CAL.)	1	5N	21E 8800
19L23SIZ	SONORA PASS BRIDGE	6	5N	22E 8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E 9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E 9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E 8250
19L22SZ	VIRGINIA LAKES RIDGE	32	3N	25E 9200

Colorado				
Lower Colorado River				
15N5	KYLE CANYON	27	19S	56E 8200
15N4	LEE CANYON #1	10	19S	56E 8400
15N3	LEE CANYON #2	9	19S	56E 9200
15N8	LEE CANYON #3	10	19S	56E 8500
14M1	MATHEW CANYON	10	65	70E 6000
14M2	PINE CANYON	23	65	69E 6200
15N7	RAINBOW CANYON #2	6	20S	57E 8100

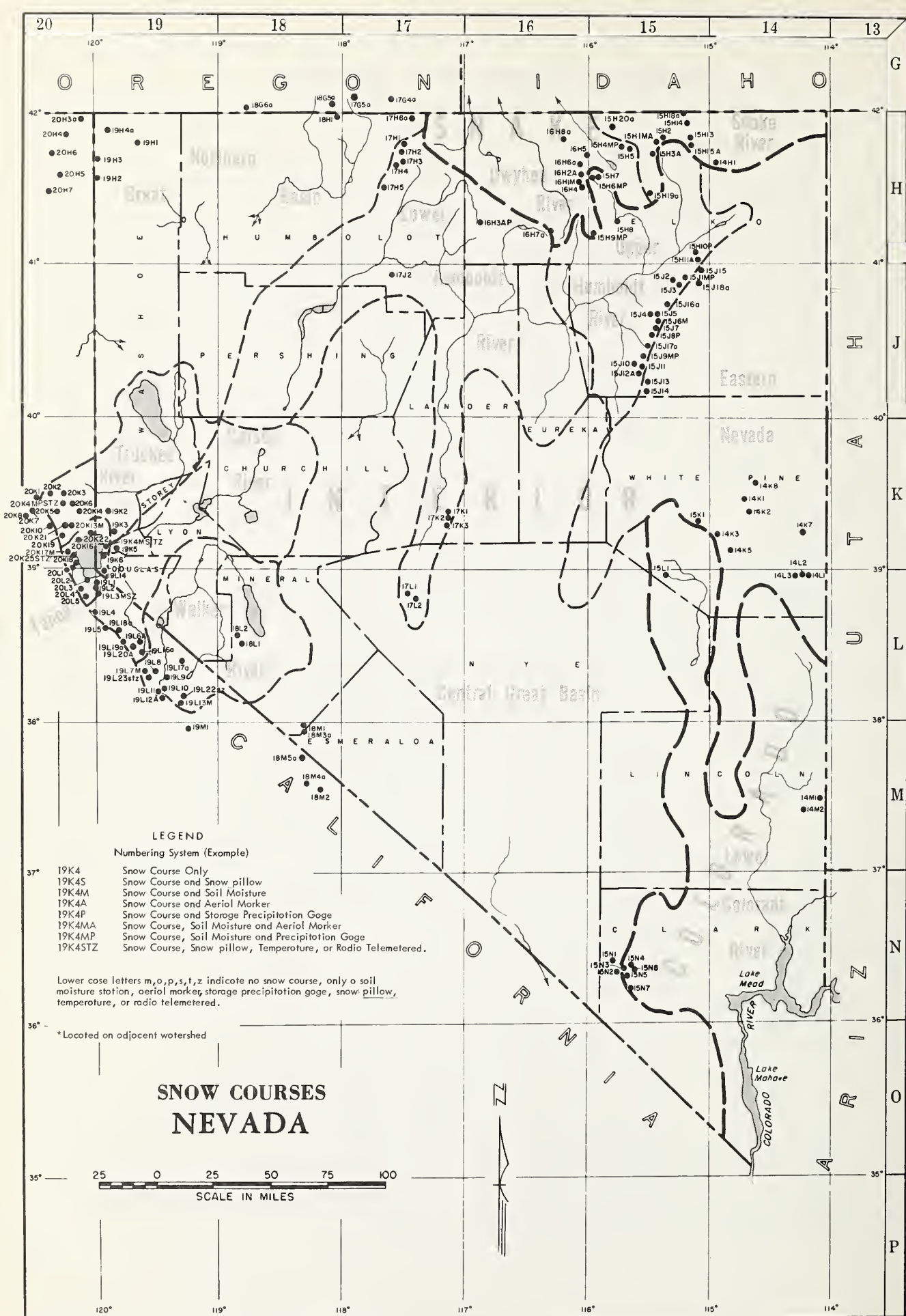
LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4S	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K4STZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS m, a, p, s, i, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED



LEGEND
Numbering System (Example)

- 19K4 Snow Course Only
- 19K4S Snow Course and Snow pillow
- 19K4M Snow Course and Soil Moisture
- 19K4A Snow Course and Aerial Marker
- 19K4P Snow Course and Storage Precipitation Gage
- 19K4MA Snow Course, Soil Moisture and Aerial Marker
- 19K4MP Snow Course, Soil Moisture and Precipitation Gage
- 19K4STZ Snow Course, Snow pillow, Temperature, or Radio Telemetered.

Lower case letters m,o,p,s,t,z indicate no snow course, only o soil moisture station, aerial marker, storage precipitation gage, snow pillow, temperature, or radio telemetered.

* Located on adjacent watershed

SNOW COURSES
NEVADA

25 0 25 50 75 100
SCALE IN MILES

WATER SUPPLY OUTLOOK

FOR NEVADA

MAY 1, 1969

EXCELLENT WATER SUPPLIES ARE IN ORDER FOR NEVADA WATER USERS THIS SUMMER. LAST WINTER'S RECORD SNOWPACK HAS PRODUCED VERY HEAVY SPRING FLOWS ON THE HUMBOLDT AND ITS TRIBUTARIES ALREADY THIS SPRING.

MOST OF THE HIGH SIERRA SNOWPACK STILL REMAINS AND INSURES EXCELLENT STREAMFLOW THROUGHOUT THE SUMMER IN WESTERN NEVADA.

RESERVOIR STORAGE HAS INCREASED SUBSTANTIALLY DURING APRIL, AND THE MOUNTAIN SOILS BENEATH THE SNOWPACK REMAIN SATURATED.

The low-elevation snowpack has melted throughout most of the state. Alternating warm- and cool-temperature periods have produced favorable melting rates for managing the flows produced from the low-elevation snowfields in Western Nevada. Conditions were not as favorable in Northeastern Nevada, however. Early and much greater-than-average snowmelt produced localized flooding on small streams and 500-percent-plus flows on the major rivers.

The remaining snowpack in the Sierra Nevada Mountains ranges from 219 percent of average on the Carson and Walker drainages to 201 percent of normal in the Lake Tahoe Basin. Most of the snowpack in the Humboldt Basin below 8400 feet has melted, but the high-elevation snowpack remains slightly above average. The high-elevation snowpack is 163 percent of normal in the White Pine County area. Snow remaining in the Warner Mountains is above 175 percent of average for this date.

Mountain soils are thoroughly saturated throughout the state and will benefit the remaining snowmelt runoff.

With the exception of Lake Tahoe, Nevada's major reservoirs have been filling during April. With the abundant streamflow, most reservoirs will end this irrigation season with excellent carry-over storage for the following year.

Streamflow forecasts have not been changed materially from those issued on April 1. Most streams are predicted to flow in excess of 200 percent for the April-through-July period.

April flows on Nevada streams ranged from a much-above-normal 270 percent in the west to an excessive 500 percent plus on the Humboldt. The Humboldt River, at the Palisade gaging station, flowed 171,000 acre-feet during April. This is 111 percent of the volume usually experienced for the entire April-through-July runoff period.

Most streams originating in the Sierra Range should reach their peak flows during the third full week in May. Streamflow volumes should remain sufficient for irrigation needs through mid-August in this area.

NEVADA STREAMFLOW FORECASTS - MAY 1, 1969

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

BASIN and Forecast Stream	May-July Streamflow, Thousands Acre-Feet				
	Forecast 1969	15-Yr. Average 1953-67	1969 % of 15-Yr. Av.	Measured Runoff 1968	1967
<u>TRUCKEE RIVER</u>					
			*		
Little Truckee River above Boca California ²	130	59	220 (206)	24	160
Truckee River at Farad, Calif. ^{1,2}	420	189	222 (213)	103	510
Lake Tahoe Rise in Feet (From May 1, assuming gates closed) ²	2.35	1.06	222 (204)	0.48	2.21
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nev.	300	143	210	92	289
West Carson at Woodfords, Calif.	95	40	238	25	75
Carson River near Carson City, Nev.	360	134	268	68	323
Carson River at Ft. Churchill, Nev.	370	123	301	57	298
East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow)	8/23	7/23	--	7/3	8/31
<u>Walker River</u>					
East Walker near Bridgeport, Calif. ¹ (May-August streamflow)	150	54	278	20	134
West Walker below E. Fork near Coleville, California	275	125	220	77	229
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah ³ (May-June streamflow)	75	22	340	42	38

(Continued)

NEVADA STREAMFLOW FORECASTS - MAY 1, 1969 (Continued)

BASIN and Forecast Stream	May-July Streamflow, Thousands Acre-Feet				
	Forecast 1969	15-Yr. Average 1953-67	1969 as % of 15-Yr. Av.	Measured Runoff 1968	1967
<u>HUMBOLDT RIVER</u>					
Lamoille Creek near Lamoille, Nev.	31	24	129	26	31
S. Fork Humboldt near Elko, Nev.	85	50	170	38	70
Marys River above Hot Springs, Nev.	22	21	105	10	23
N. Fork Humboldt at Devils Gate, Nev.	18	17	106	2	22
Humboldt River at Palisade, Nev.	150	122	123	69	175
Humboldt River at Comus, Nev.	106	85	125	44	114
Martin Creek near Paradise, Nev.	15	9	167	4	19
<u>SNAKE RIVER</u>					
Owyhee River near Owyhee, Nev. ¹	60	38	158	11	45
Owyhee River near Gold Creek, Nev. ¹	13	8	163	2	8
Salmon Falls Creek near San Jacinto Nevada (May-July streamflow) ⁴	50	45	116	--	53
<u>SURPRISE VALLEY</u>					
Bidwell Creek near Ft. Bidwell, Calif. ⁵	15.5	9.0	172	2.8	14.3
Mill Creek near Cedarville, Calif. ⁵	5.0	3.5	143	1.3	5.0
Deep Creek near Cedarville, Calif. ⁵	4.0	2.2	181	0.6	1.8
Eagle Creek near Eagleville, Calif. ⁵	6.0	3.8	158	2.0	3.5

1. Corrected for reservoir storage above station.

2. Forecast issued by Truckee Basin Water Committee.

3. Forecast issued by SCS, Salt Lake City, Utah.

4. Forecast issued by SCS, Boise, Idaho.

5. Forecast coordinated between SCS and California Department of Water Resources.

* Numbers in parentheses are forecast as percent of long-term average.

STATUS OF NEVADA RESERVOIR STORAGE

MAY 1, 1969

BASIN and Stream	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE-FEET			
			1969	1968	1967	May 1 15-Yr. Av. 1953-67
Owyhee	Wild Horse	72 *	26	7	8	25
Lower Humboldt	Rye Patch	179	120	60	94	83
Colorado	Mohave	1,810	1,710	1,694	1,675	1,717
Colorado	Mead	27,217	15,476	14,780	14,530	16,002
Tahoe	Tahoe	732	529	638	559	462
Truckee	Boca	41	27	28	12	25
Truckee	Prosser **	29	3	14	12	Storage began 1/30/63
Carson	Lahontan	286	176	252	241	222
West Walker	Topaz	59	15	52	38	42
East Walker	Bridgeport	42	9	37	26	31

* Reservoir enlarged to usable capacity of 72,000 acre-feet.

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE

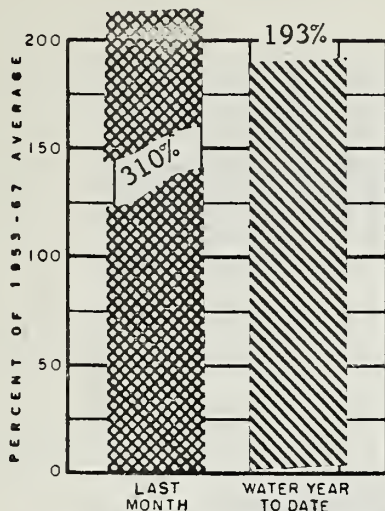
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz,
and Bridgeport Reservoirs in 1000's Acre-Feet

MONTH	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	AVERAGE 1953-67
October 1	702	497	1135	559	965	649	656
January 1	748	789	1114	593	904	694	660
February 1	776	922	1051	736	939	881	715
March 1	774	949	1035	792	1025	922	768
April 1	774	1002	1054	943	1080	796	839
May 1	818	1103	1089	978	1074	902	890

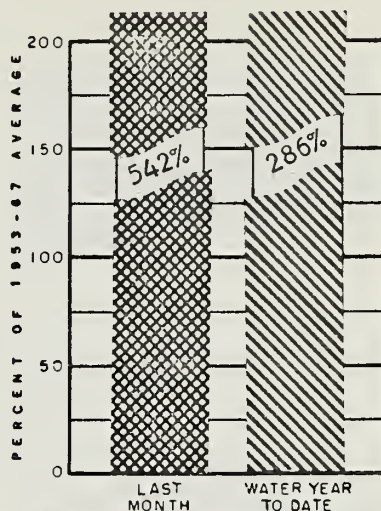
TOTAL USABLE CAPACITY 1,411

SELECTED CURRENT STREAMFLOW STATIONS

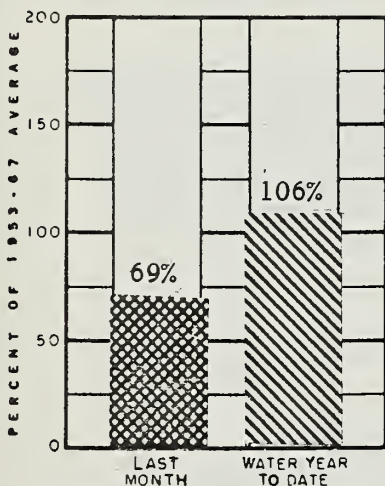
MAY 1, 1969



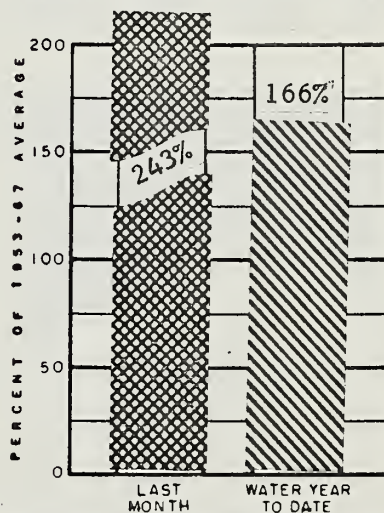
Owyhee near Owyhee, Nev.



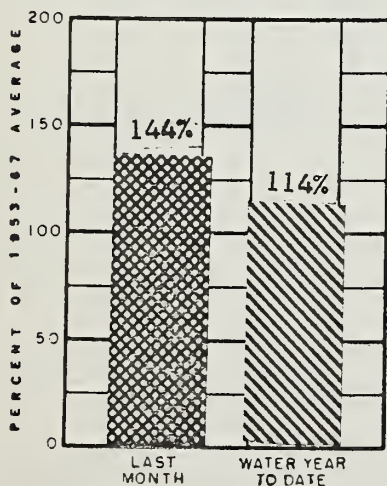
Humboldt at Palisade, Nev.



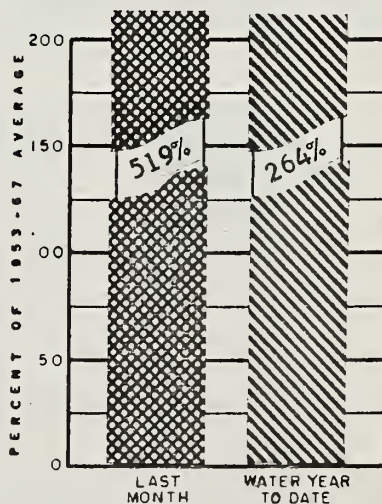
Truckee at Farad, Calif.



Carson near Carson City, Nev.



W. Walker near Coleville, Calif.

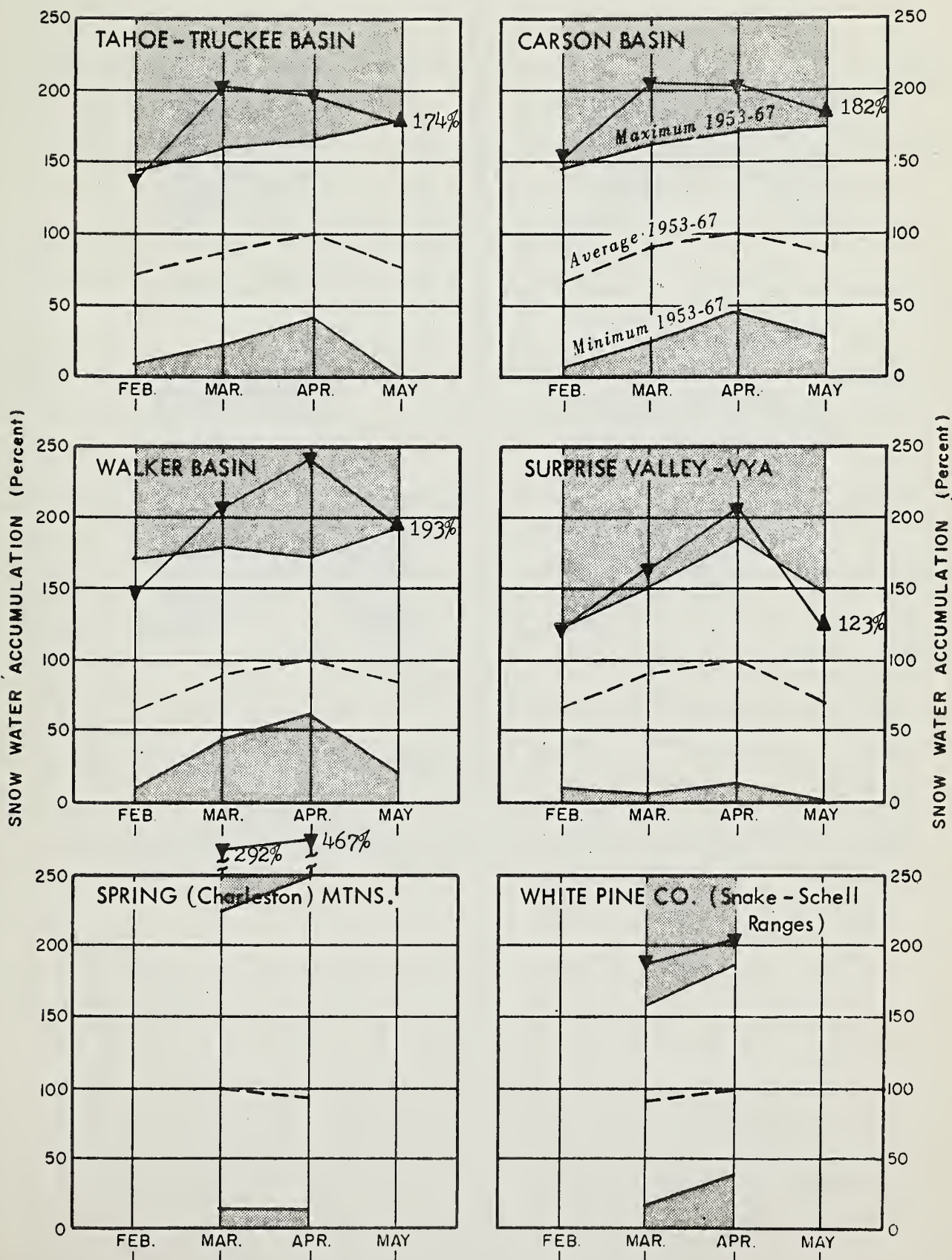


Virgin at Littlefield, Ariz.

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

May 1, 1969

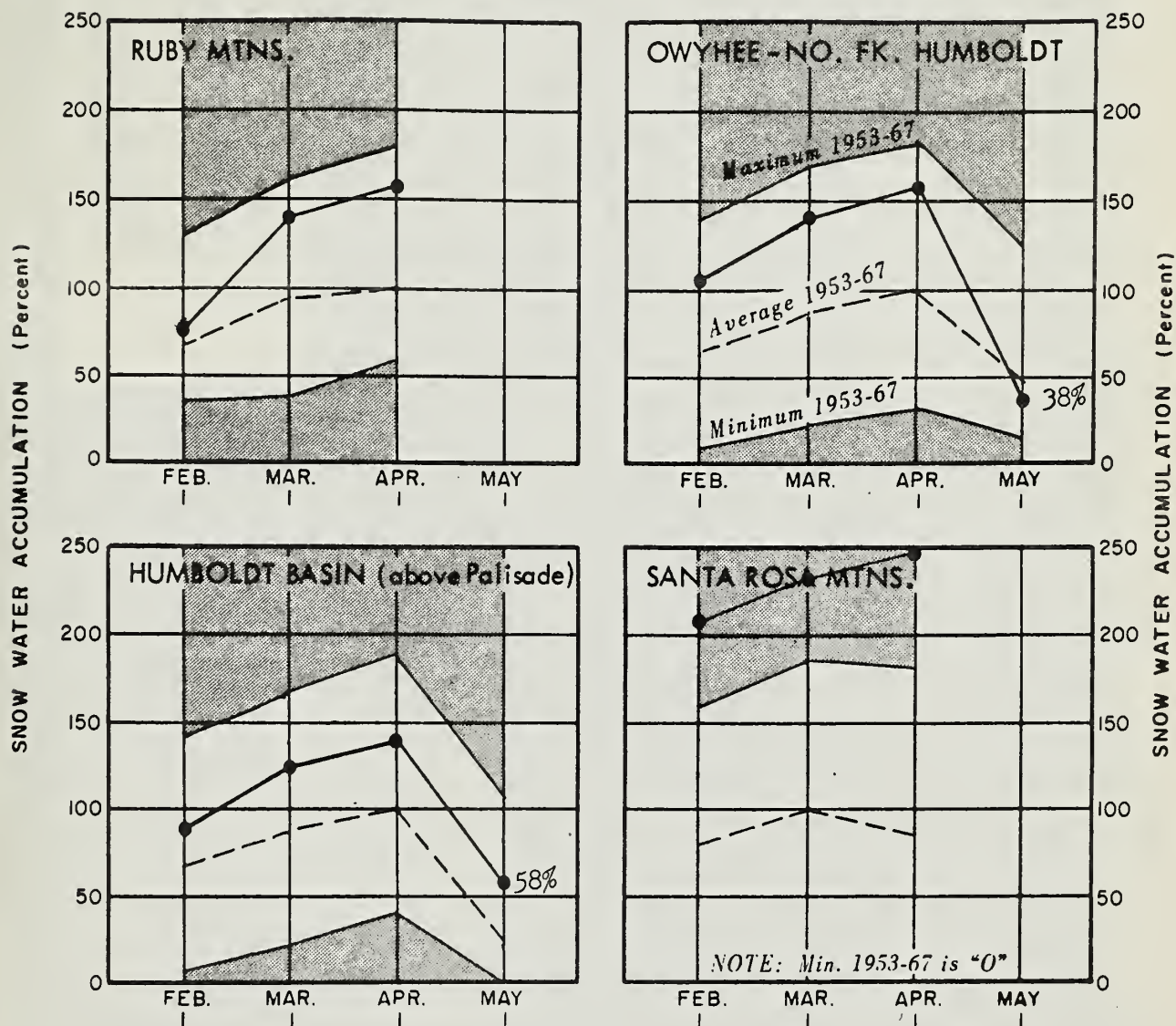


Continued

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

May 1, 1969



NOTE:

— 1969

----- 1953-67

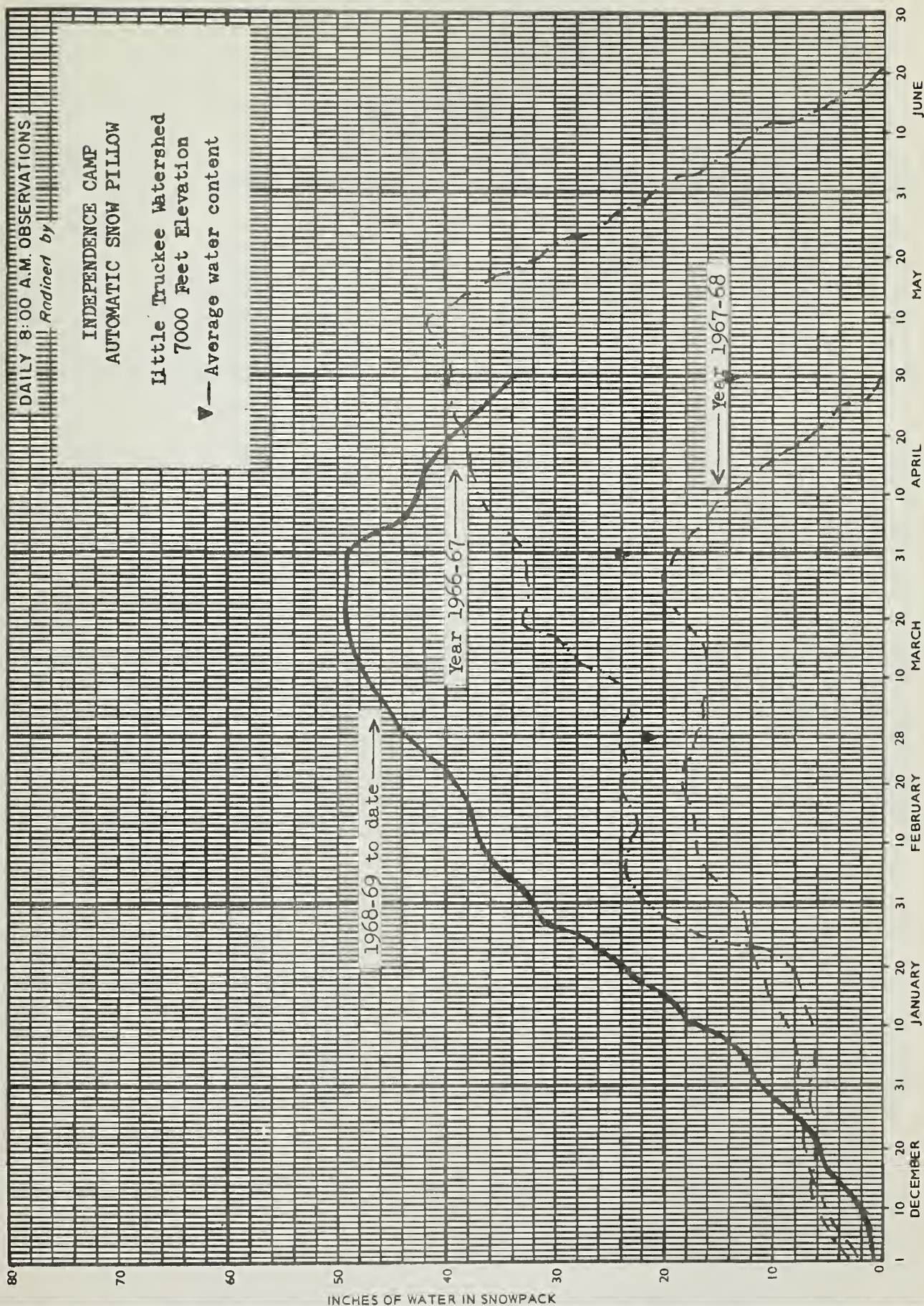
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS
Radioed by

INDEPENDENCE CAMP
 AUTOMATIC SNOW PILLOW

Little Truckee Watershed
 7000 Feet Elevation

▼— Average water content



NEVADA SNOW SURVEYS

May 1, 1969

WATERSHED and Snow Course	Elev.	May 1, 1969			Water Content (Inches)			
		Date of Survey	Snow Depth (In.)	Water Content (In.)	May 1 1968	May 1 1967	May 1 1953-67 Av.	April 1 1969
<u>WALKER-CARSON</u>								
Blue Lakes	8000	4/28	124	60.5	20.4	60.0	29.7	66.3
Carson Pass, Upper	8600	4/25	125	63.0	18.2	62.8	31.5	68.6
Sonora Pass	8800	4/29	85	44.8	10.2	42.6	18.0 *	57.4
Virginia Lakes	9500	4/28	66	34.9	---	37.5	13.5 *	40.1
Virginia Lakes Ridge	9200	4/28	72	34.4	7.1	---	---	37.3
<u>TAHOE</u>								
Echo Summit	7500	4/28	110	59.9	6.6	54.2	22.4	65.6
Freel Bench	7300	4/29	28	13.6	0.0	21.5	---	31.2
Hagans Meadow	8000	4/29	51	26.9	0.4	32.4	---	39.8
Marlette Lake	8000	4/30	72	38.7	8.9	40.6	---	45.4
Ward Creek #2	7000	4/30	127	68.9	20.2	---	---	82.4
Ward Creek #3	6750	4/30	112	61.3	17.2	64.5	---	68.4
<u>TRUCKEE</u>								
Donner Summit	6900	4/28	136	60.4	10.5	62.8	28.9	69.8
Fordyce Lake	6500	4/28	123	70.0	24.2	64.2	31.7 *	71.7
Furnace Flat	6700	4/28	136	79.2	30.9	71.3	39.6 *	84.5
Independence Camp	7000	5/01	69	34.5	3.3	41.3	14.4 *	46.7
Independence Creek	6500	5/01	36	15.9	1.6	---	---	29.1
Independence Lake	8450	5/01	140	68.0	---	74.1	29.8 *	66.5
Sage Hen Creek	6500	5/01	53	24.8	---	34.2	---	36.6
Squaw Valley #2	7500	5/01	155	82.5	35.4	82.1	---	84.0
<u>HUMBOLDT</u>								
Fry Canyon	6700	4/24	0	0.0	0.0	6.0	1.0 *	11.9
Rodeo Flat	6800	4/24	0	0.0	0.0	4.6	1.2 *	8.9
Tremewan Ranch	5700	4/24	0	0.0	0.0	0.0	---	3.7
Green Mountain	8000	4/30	17	7.0	T	---	---	18.3
Lamoille #1	7100	5/01	0	0.0	T	---	---	7.4
Lamoille #2	7300	5/01	0	0.0	0.0	---	---	14.6
Lamoille #3	7700	5/01	14	6.0	5.5	---	---	17.2
Lamoille #4	8000	5/01	33	14.2	13.5	---	---	23.3
Lamoille #5	8700	5/01	57	27.1	23.6	---	---	32.8
<u>SURPRISE VALLEY</u>								
Cedar Pass	7100	4/29	42	18.5	6.0	22.3	9.8	23.6

(Continued)

NEVADA SNOW SURVEYS (Continued)

May 1, 1969

		May 1, 1969			Water Content (Inches)			
		Date	Snow	Water	May 1			
WATERSHED and		of	Depth	Content	May 1	May 1	1953-67	April 1
Snow Course	Elev.	Survey	(In.)	(In.)	1968	1967	Av.	1969
<u>WHITE PINE COUNTY</u>								
Berry Creek	9100	4/29	56	22.8	15.5	21.8	14.0 *	23.2
Bird Creek	7500	4/29	0	0.0	0.0	---	---	4.7
<u>SNAKE-OWYHEE</u>								
Bear Creek	7800	4/28	46	20.3a	15.2a	27.0a	19.4 *	27.3
Big Bend	6700	4/24	0	0.0	0.0	T	0.9 *	10.4
Gold Creek	6600	4/24	0	0.0	0.0	0.0	0.0 *	8.0
Jack Creek, Lower	6800	4/24	0	0.0	0.0	T	0.2 *	5.3
Jack Creek, Upper	7250	4/24	0	0.0	0.0	11.6	3.5 *	12.4
Jacks Peak	8420	4/24	0	0.0	21.7	31.4	26.6 *	NS
Taylor Canyon	6200	4/29	0	0.0	0.0	0.0	0.1 *	10.4
Goat Creek	8800	4/28	36	15.9a	16.4a	25.4a	18.2 *	22.6
Hummingbird Springs	8945	4/28	75	30.0a	20.5a	32.6a	22.8 *	30.0
Pole Creek R. S.	8330	4/29	49	21.6	19.7	24.2	21.6 *	23.0
Red Point	7940	4/28	0	0.0a	0.0a	18.0a	9.0 *	10.2

* Adjusted average

a Aerial snow depth gage; water content estimated.

NS No survey

SOIL MOISTURE

STATION	Elevation	Profile (Inches)		Date	Soil Moisture (Inches)		
		Depth	Capacity		This Year	Last Year	2 Years Ago
<u>NORTHEAST NEVADA</u>							
Big Bend	6700	48	16.7	4/24	16.5	16.4	15.9
Jack Creek, Lower	6800	48	8.7	4/24	8.3	8.3	8.3
Rodeo Flat	6800	42	11.0	4/24	11.0	10.9	9.2
Taylor Canyon	6200	48	15.1	4/29	15.0	14.6	13.2
<u>SIERRAS</u>							
Hagans Meadow	8000	36	3.65	4/29	3.6	3.2	3.3
Independence Camp	7000	34	6.10	5/01	5.3	5.5	5.3
Marlette Lake	8000	50	3.70	4/30	3.7	3.3	3.6
Sonora Pass	8800	48	8.30	4/29	8.3	8.3	8.3
Ward Creek	7000	49	5.80	4/29	5.8	5.2	---

DELAYED DATA AND ERRATA

SNOW SURVEYS

<u>Snow Course</u>	<u>Elevation</u>	<u>Plate Number</u>	<u>Date of Survey</u>	<u>Snow Depth (Inches)</u>	<u>Water Content (Inches)</u>
Donner Summit	6900	1	3/04/69	190	<u>74.4</u>
Ward Mountain #2	8900	6	3/01/69	<u>60</u>	<u>16.2a</u>
White River #1	7400	6	3/03/69	50	<u>13.2</u>
Trout Creek, Upper	8500	7	2/27/69	<u>96</u>	<u>30.8a</u>
Sonora Pass	8800	2	3/25/69	120	<u>51.4</u>
Eagle Peak	7200	12	<u>4/02/69</u>	<u>47</u>	<u>20.1</u>

a Aerial snow depth gage; water content estimated.

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*